



ALLIANZ WARLOCK

DP2 AHTS - BP 120T

GENERAL INFORMATION

| | |
|----------------|---|
| Vessel Name | Allianz Warlock |
| Built | Brevik Construction A/S Norway, March 2003 |
| Flag | St.Vincent & Grenadines |
| Call Sign | J8B6220 |
| IMO NO. | 9250048 |
| Class Notation | DNV-GL+1A1 Fire Fighter(1) Tug DK(+) DPS(2) EO HL (2.5) SF |

DIMENSIONS

| | |
|---------------------------|---------|
| Length (LOA) | 68.95 m |
| Beam | 15.5 m |
| Summer Draft | 6.0 m |
| Deadweight @ Summer Draft | 2351 t |
| GT | 2327 |
| Length, BP | 60.45 m |
| Length (Load Line) | 62.64 m |
| Depth, main deck | 7.0 m |
| Maximum Draft Midship | 6.0 m |
| NT | 751 |
| Minimum Draft Midship | 4.66 m |

DECK CAPACITIES

| | |
|--------------------|--|
| Deck Load Capacity | 800 t |
| Deck Strength | 5 t/m ² - General Deck 10 t/m ² - Aft AH Deck |
| Free Deck Area | 471 m ² |
| Length x Width | 36.8 x 12.8 m |

TANK CAPACITIES

| | |
|-------------------------|---|
| NLS | See Brine/Mud |
| Brine / Mud | 459 m ³ Brine (Multi usage tanks) 439 m ³ Mud (Multi usage tanks, dedicated Mud 293 m ³) |
| Drill / Ballast Water | 101 m ³ Mud (dedicated) 1060 m ³ (Multi usage tanks including dedicated) |
| Dry Bulk | 224 m ³ (in 4 tanks) |
| Fresh Water | 448 m ³ (dedicated) 947 m ³ (Multi usage tanks including dedicated) |
| Fuel Dedicated | 797 m ³ |
| Fuel Total | 797 m ³ (dedicated) |
| Tank Capacities Details | Refer to tank capacities table |
| Ship's Stores | Freezer (-25c) = 11 m ³ Chiller (+4c) = 9.5 m ³ Dry Store (+22c) = 23 m ³ |

PROPULSION / BOLLARD PULL

| | |
|----------------------|--|
| Main Engines | 2 x Bergen BRM9 each 3975 kW = 7950 kW (10657 bHP) |
| Propulsion | 2 x CPP propellers in KORT nozzles, with Hi-lift flap rudders |
| Thrusters | 2 x RRM bow thruster each 590 kW / 791 bHP 1 x RRM stern thruster each 590 kW / 791 bHP |
| Bollard Pull | 120 t at 100% MCR |
| Shaft Generators | 2 x shaft generators 1280 ekW (1600 kVA) 450 v, 60 Hz |
| Auxillary Generators | 2 x diesel / gen output 320 ekW (400 kVA), 450 v, 60 Hz |
| Emergency Generators | 1 x diesel / gen output 65 ekW (80 kVA), 450 v, 60 Hz |

DECK EQUIPMENT

| | |
|------------------------|---|
| Towing / Working Winch | 1xTow winch 300 t 1st layer @ 0 - 7.0m/min Wire Capacity 1500 m of 76 mm dia. |
| Anchor Handling Winch | 2xAH winch each 300 t 1st layer @ 0 - 7.0 m/min Wire Capacity 1200 m of 76 mm dia. 450 t 1st layer |
| Brake Capacity | 2 x rope reels for storage pennant / tow wire |
| Spare Reel Capacity | Capacity of: 1500 m of 76 mm wire Duty 1st layer: 7.5 t at 0 - 48 m/min |
| Wire Storage Reel | 1 x wire storage reel Capacity of: 1500 m 76 mm wire Duty 1st layer: 7.5 t at 0 - 48 m/min |
| Chain Lockers | 1 x 195 m ³ Chain Capacity of: 2400 m 76 mm chain or 2400 m 84 mm chain |
| Towing Pins | 4 x for ship with BP up to 240 t |
| Shark Jaws | 2 x for wire / chain with MBL up to 500 t |
| Stern Roller | RRM single drum with diameter 2.4 m x length 5.0 m @ 450 t SWL |
| Capstans | 2 x RRM 8.5 t @ 0 - 20 m/min |
| Tugger Winches | 2 x RRM 10 t @ 0 - 38 m/min Storage Capacity 100 m of 19 mm dia. Wire |
| Provision Crane | 1 x electric hydraulic knuckle boom Capacity 5 t @ 10 m, 3 t @ 15 m |
| Chain Gypsies | 2 x 76 mm + 2 x 84 mm |
| Windlass | RRM combined windlass / mooring winch Duty on warping ends, 10.5 t @ 0 - 13.5 m/min, light line 0 - 45 m/min. Duty on cable lifters, nom pull 9.5 t @ 0 - 13.5 m/min. max pull 11.5 t. Duty on mooring drums, stowing capacity 120 m of 40 mm rope, duty on mooring drums 9.5 t @ 0 - 13.5 m/min. lowering 0 - 45 m/min. |
| Smit Towing Bracket | 1 x 200 t SWL located on fo'csle |



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NAVIGATION EQUIPMENT

| | |
|-------------------------|---|
| Main Radar | Furuno Colour RDP-115 S-band (10cm), ARPA 28" display, complete with remote display at aft console |
| Auxillary Radar | Furuno FR-2825 colour X-band (3cm), 21" display |
| Auto Pilot | Tokimec PR6000 |
| Magnetic Compass | Tokimec SH165A1 |
| Echo Sounder | Atlas 9205 |
| GPS | Furuno GP-80 |
| GPS Plotter | SAMYUG-N500R |
| Speed Log | Ben Anthea |
| Communications | 1 x MF/HF Sallor 6301 MF/HF DSC 2 x INMARSAT-C 1 x EPIRB 2 x SART 1 x Iridium 3 x GMDSS Portable VHF 8 x UHF Portable Radios 2 x Portable VHF Radio |
| Navtex Receiver | JRC N-300A |
| Weather Fax | JRC JAX-9A |
| Satellite Communication | VSAT/FBB |
| AIS | 1 x Furuno FA100 |
| VHF | 2 x Sailor RT4722 VHF-DSC Duplex 1 x Sailor Compact VHF RT2048 |
| BNWAS | Martek Marine Navigard |

DYNAMIC POSITIONING SYSTEM

| | |
|-----------------------|---|
| Type | GE Energy C-Series DPS-21 Duplex DP System with RRM Poscon Independent Joystick System |
| Reference System | 2 x Veripos DGPS 1 x Cyscan Guidance 1 x Fanbeam |
| Motion Reference Unit | 3 x Gyro Tokyo Keiki 2 x Wind Sensors 2 x VRU TTS DMS / SMC |
| Control Modes | Auto Sail Auto Track (Low Speed) Joystick Auto heading DP, DP minimum power ROV follow, Mode Control Auto Station Keeping Stand-by (for training) |
| Joystick | Poscon-electronic control system joystick |

EXTERNAL FIRE FIGHTING

| | |
|------------------|---|
| Capacity | 2 x 1500 m ³ /hr - 3000 m ³ /hr |
| Monitors | 2 x 1200 m ³ /hr |
| Throw Length | 120 m |
| Throw Height | 70 m |
| Drenching System | Yes |
| Foam Tank | 12.3 m ³ |

DISCHARGE PUMPS

| | |
|-----------------------|---|
| Fuel Oil | 2 x 150 m ³ /hr at 9.0 bar |
| Sludge | 10 m ³ /hr at 2.0 bar |
| Fresh Water | 1 x 150 m ³ /hr at 9.0 bar |
| Drill / Ballast Water | 1 x 200 m ³ /hr at 9.0 bar |
| Dry Bulk | 2 x Screw type air compressors at 23 m ³ /min. 5.6 bar discharge rate of capacity 80 t/hr |
| Special Liquid | 1 x 75 m ³ /hr at 18 bar (Brine Discharge) |
| Hose Connections | Fuel Oil - 4" Female Weeco Portable Water - 4" Female Weeco Drill Water - 4" Female Weeco Mud - 4" Camlock & 4" Avery - Hardoll Bulk - 5" Camlock & 5" Female Weeco |

RESCUE BOAT

1.1 x Maritime Partner MP660 Springer, 10 person, SOLAS approved FRB with inboard diesel waterjet

ANTI-POLLUTION

| | |
|-----------------|---------------------------------------|
| Dispersant Tank | 12.3 m ³ |
| Spray Booms | 2 x Booms (1 port, 1 starboard) at 6m |
| Spray Nozzles | 2 x Nozzles per boom |

ACCOMODATION

| | |
|-----------------|---|
| Person Capacity | Total 30 10 x 1 man cabin 4 x 2 man cabins (Including Hospital) 3 x 4 man cabins |
| Offices | 2 x Offices |
| Hospital | Yes (2 berth) |

ENVIRONMENTAL FEATURES

1. Cylindrical mud tank free flowing design with external stiffening, slopped floors and fixed agitators.
2. Fixed Butterworth type mud tank cleaning system with hot water wash, fitted to all all mud tanks and with slop tank reception. Cargo load/discharge station with save all to inboard tank.
3. Low residue design bulk tanks.
4. Garbage compactor.

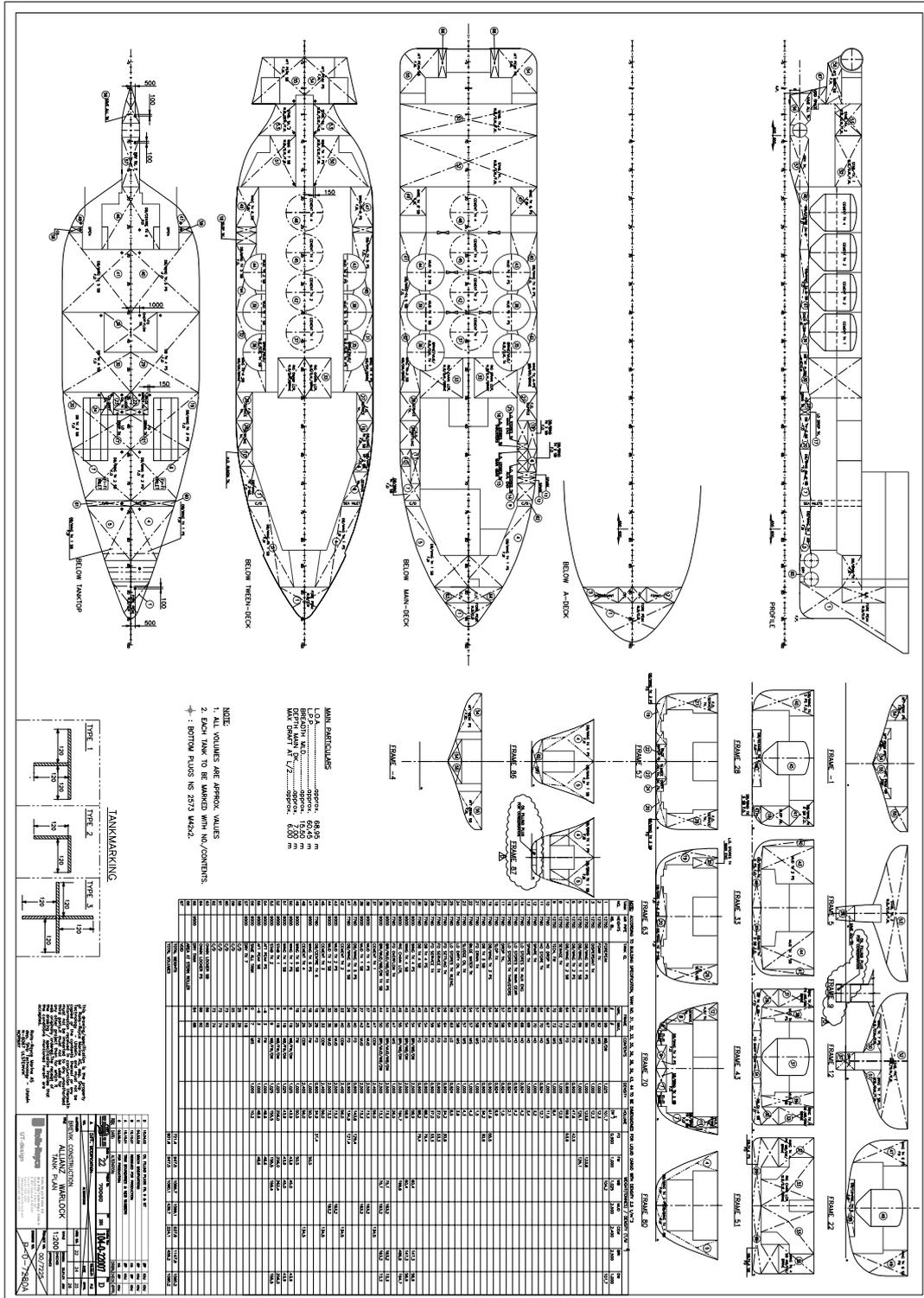
MISCELLANEOUS

1. Wood seathed main deck except for aft area, which is steel plated for anchor-handling
2. Ulstein passive roll damping system.
3. Deck power supplies: 1 x 1000A x 440v x 3ph, 1 x 63A x 440v x 3ph, 1 x 32A x 220v x 1ph & 4 x 32A x 440v x 3ph



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DP2 AHTS - BP 120T - TANK CAPACITY PLAN



*Particulars are believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notification.